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LOGINID:SSPTANXR1625

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

| | | |
|---|---|---|
| NEWS 1 | | Web Page for STN Seminar Schedule - N. America |
| NEWS 2 | MAR 15 | WPIDS/WPIX enhanced with new FRAGHITSTR display format |
| NEWS 3 | MAR 16 | CASREACT coverage extended |
| NEWS 4 | MAR 20 | MARPAT now updated daily |
| NEWS 5 | MAR 22 | LWPI reloaded |
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| NEWS 7 | APR 02 | JICST-EPLUS removed from database clusters and STN |
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| NEWS 10 | APR 30 | CA/CAplus enhanced with 1870-1889 U.S. patent records |
| NEWS 11 | APR 30 | INPADOC replaced by INPADOCDB on STN |
| NEWS 12 | MAY 01 | New CAS web site launched |
| NEWS 13 | MAY 08 | CA/CAplus Indian patent publication number format defined |
| NEWS 14 | MAY 14 | RDISCLOSURE on STN Easy enhanced with new search and display fields |
| NEWS 15 | MAY 21 | BIOSIS reloaded and enhanced with archival data |
| NEWS 16 | MAY 21 | TOXCENTER enhanced with BIOSIS reload |
| NEWS 17 | MAY 21 | CA/CAplus enhanced with additional kind codes for German patents |
| NEWS 18 | MAY 22 | CA/CAplus enhanced with IPC reclassification in Japanese patents |
| NEWS 19 | JUN 27 | CA/CAplus enhanced with pre-1967 CAS Registry Numbers |
| NEWS 20 | JUN 29 | STN Viewer now available |
| NEWS 21 | JUN 29 | STN Express, Version 8.2, now available |
| NEWS 22 | JUL 02 | LEMBASE coverage updated |
| NEWS 23 | JUL 02 | LMEDLINE coverage updated |
| NEWS 24 | JUL 02 | SCISEARCH enhanced with complete author names |
| NEWS 25 | JUL 02 | CHEMCATS accession numbers revised |
| NEWS 26 | JUL 02 | CA/CAplus enhanced with utility model patents from China |
| NEWS 27 | JUL 16 | CAplus enhanced with French and German abstracts |
| NEWS 28 | JUL 18 | CA/CAplus patent coverage enhanced |

NEWS EXPRESS 29 JUNE 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 05 JULY 2007.

| | |
|---|---|
| NEWS HOURS | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | Welcome Banner and News Items |
| NEWS IPC8 | For general information regarding STN implementation of IPC 8 |

Enter NEWS followed by the item number or name to see news on that specific topic.

result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 06:31:28 ON 26 JUL 2007

=> file reg

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 06:31:37 ON 26 JUL 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.


Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 JUL 2007 HIGHEST RN 943299-07-8
DICTIONARY FILE UPDATES: 24 JUL 2007 HIGHEST RN 943299-07-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

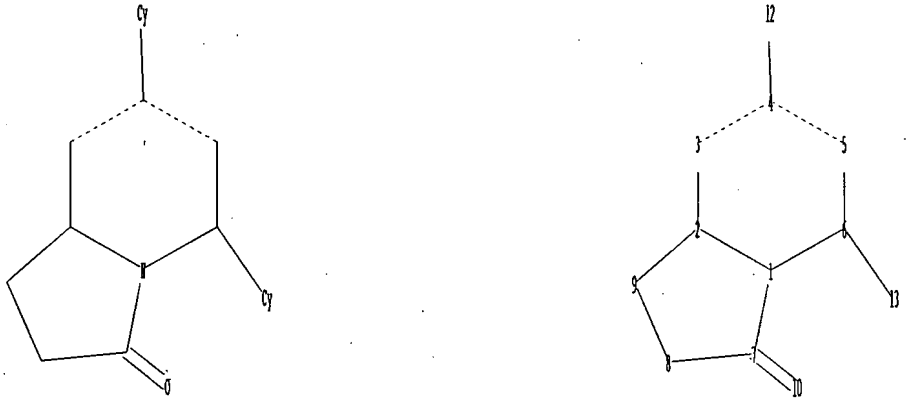
TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10567314.str



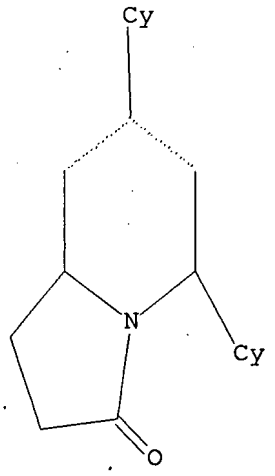
chain nodes :
10 12 13
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
4-12 6-13 7-10
ring bonds :
1-2 1-6 1-7 2-3 2-9 3-4 4-5 5-6 7-8 8-9
exact/norm bonds :
1-2 1-6 1-7 2-3 3-4 4-5 4-12 5-6 6-13 7-10

exact bonds :
2-9  7-8  8-9
isolated ring systems :
containing 1 :

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:CLASS
12:Atom  13:Atom

L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR




Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 06:31:57 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     2465 TO ITERATE

 81.1% PROCESSED     2000 ITERATIONS                                  0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        46322 TO    52278
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 06:32:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    50347 TO ITERATE

100.0% PROCESSED    50347 ITERATIONS                                  2 ANSWERS
SEARCH TIME: 00.00.01

L3            2 SEA SSS FUL L1

```
=> file caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                       172.10     172.31

FILE 'CAPLUS' ENTERED AT 06:32:07 ON 26 JUL 2007
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)
```



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FILE COVERS 1907 - 26 Jul 2007  VOL 147 ISS 5
FILE LAST UPDATED: 25 Jul 2007  (20070725/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l3 full
L4            1 L3

=> d ibib abs hitstr tot

L4   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2005:177892  CAPLUS
DOCUMENT NUMBER:          142:280058
TITLE:                    Preparation of bicyclic terahydropyridine compounds as
                          mitotic kinesin inhibitors for treating cancer
INVENTOR(S):              Coleman, Paul J.
PATENT ASSIGNEE(S):       Merck & Co., Inc., USA
SOURCE:                   PCT Int. Appl., 114 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.        DATE
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     WO 2005018638         A1    20050303    WO 2004-US25856        20040809
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
```

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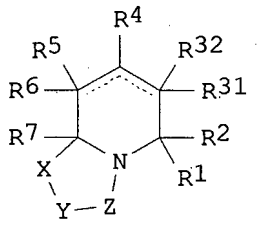
|---|---|---|---|---|---|
| AU 2004266612 | A1 | 20050303 | AU 2004-266612 | | 20040809 |
| CA 2533435 | A1 | 20050303 | CA 2004-2533435 | | 20040809 |
| EP 1656140 | A1 | 20060517 | EP 2004-780658 | | 20040809 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK | | | | | |
| CN 1835749 | A | 20060920 | CN 2004-80023220 | | 20040809 |
| JP 2007502279 | T | 20070208 | JP 2006-523301 | | 20040809 |
| US 2006223844 | A1 | 20061005 | US 2006-567314 | | 20060207 |
| PRIORITY APPLN. INFO.: | | | US 2003-494670P | P | 20030813 |
| | | | WO 2004-US25856 | W | 20040809 |

OTHER SOURCE(S): CASREACT 142:280058; MARPAT 142:280058

GI



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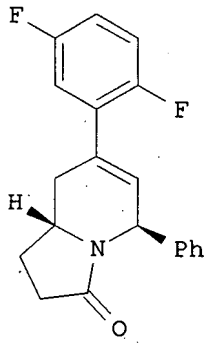

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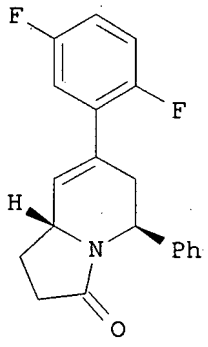
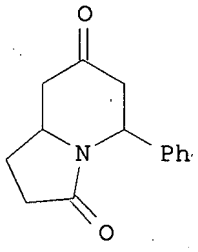


III



IV

AB The present invention relates to bicyclic terahydropyridine compds. I [X = SO, SO2, CO, (un)substituted (CH2)v; Y = O, S, CO, etc.; or X and Y are combined to form (un)substituted CH:CH; Z = CO, CS, SO, SO2, (un)substituted CH2; or Y and Z are combined to form (un)substituted N:CH; R1, R4 = aryl, aralkyl, cycloalkyl, heterocyclyl; R2, R31, R32, R5-R7 = H, alkyl, aryl, etc.; v = 1-3] that are useful for treating cellular proliferative diseases, for treating disorders associated with KSP kinesin activity, and for inhibiting KSP kinesin. E.g., a 2-step synthesis of (-)-(5S,8aR)-II and (+)-(5S,8aR)-III (separated), starting from bicyclic piperidone IV, which showed (both) an IC50 of ≤ 50 μM in kinesin ATPase in vitro assay, was given. The invention is also related to compns. which comprise these compds. I, and methods of using them to treat cancer in mammals.

IT 847049-58-5P 847049-60-9P

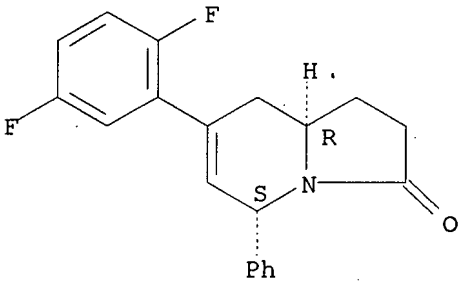
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of bicyclic terahydropyridine compds. as mitotic kinesin inhibitors for treating or preventing cancer)

RN 847049-58-5 CAPLUS

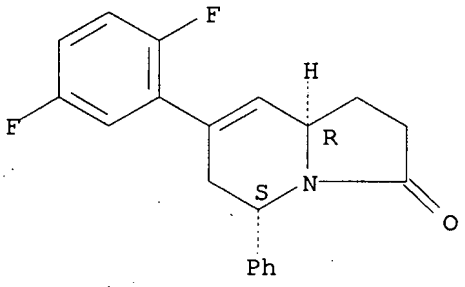
CN 3(2H)-Indolizinone, 7-(2,5-difluorophenyl)-1,5,8,8a-tetrahydro-5-phenyl-, (5S,8aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).




RN 847049-60-9 CAPLUS
CN 3(2H)-Indolizinone, 7-(2,5-difluorophenyl)-1,5,6,8a-tetrahydro-5-phenyl-, (5S,8aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).




REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 06:31:28 ON 26 JUL 2007)

FILE 'REGISTRY' ENTERED AT 06:31:37 ON 26 JUL 2007
L1 STRUCTURE UPLOADED
L2 0 S L1
L3 2 S L1 FULL

FILE 'CAPLUS' ENTERED AT 06:32:07 ON 26 JUL 2007
L4 1 S L3 FULL

=> log y

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 5.74 | 178.05 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | -0.78 | -0.78 |

STN INTERNATIONAL LOGOFF AT 06:32:55 ON 26 JUL 2007

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| | | |
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| NEWS 28 | JUL 18 | CA/CAplus patent coverage enhanced |

NEWS EXPRESS 29 JUNE 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 05 JULY 2007.

| | |
|---|---|
| NEWS HOURS | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | Welcome Banner and News Items |
| NEWS IPC8 | For general information regarding STN implementation of IPC 8 |

Enter NEWS followed by the item number or name to see news on that specific topic.

result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 06:36:36 ON 26 JUL 2007

=> file reg

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 06:36:44 ON 26 JUL 2007


Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 JUL 2007 HIGHEST RN 943299-07-8
DICTIONARY FILE UPDATES: 24 JUL 2007 HIGHEST RN 943299-07-8

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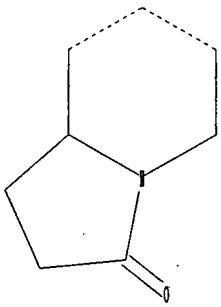
TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

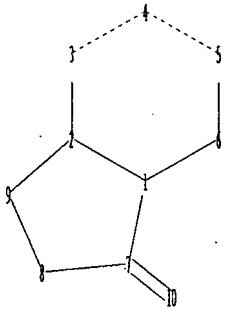
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10567314a.str





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10
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
7-10
ring bonds :
1-2 1-6 1-7 2-3 2-9 3-4 4-5 5-6 7-8 8-9
exact/norm bonds :
1-2 1-6 1-7 2-3 3-4 4-5 5-6 7-10
exact bonds :
2-9 7-8 8-9
isolated ring systems :

containing 1 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS

L1 STRUCTURE UPLOADED

=> d l1
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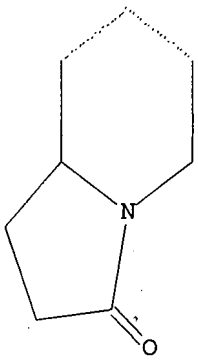
L1 STR




Structure attributes must be viewed using STN Express query preparation.

=> s l1
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SAMPLE SCREEN SEARCH COMPLETED - 2465 TO ITERATE

81.1% PROCESSED 2000 ITERATIONS 44 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 46322 TO 52278
PROJECTED ANSWERS: 643 TO 1525

L2 44 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 06:37:07 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 50347 TO ITERATE

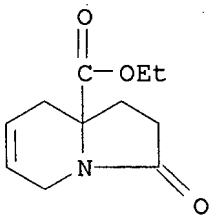
100.0% PROCESSED 50347 ITERATIONS 962 ANSWERS
SEARCH TIME: 00.00.01

L3 962 SEA SSS FUL L1

=> d 1-2

L3 ANSWER 1 OF 962 REGISTRY COPYRIGHT 2007 ACS on STN
RN 942603-62-5 REGISTRY
ED Entered STN: 18 Jul 2007
CN 8a(1H)-Indolizinecarboxylic acid, 2,3,5,8-tetrahydro-3-oxo-, ethyl ester

(CA INDEX NAME)
MF C11 H15 N O3
SR CA
LC STN Files: CAPLUS



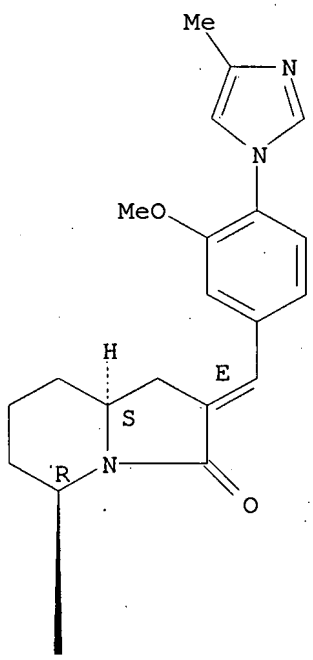
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

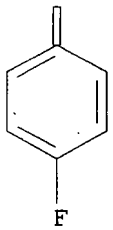
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 962 REGISTRY COPYRIGHT 2007 ACS on STN
RN 937818-67-2 REGISTRY
ED Entered STN: 19 Jun 2007
CN 3(2H)-Indolizinone, 5-(4-fluorophenyl)hexahydro-2-[[3-methoxy-4-(4-methyl-1H-imidazol-1-yl)phenyl]methylene]-, (2E,5R,8aS)-rel- (CA INDEX NAME)
FS STEREOSEARCH
MF C26 H26 F N3 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Relative stereochemistry.
Double bond geometry as shown.








**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 176.45 | 176.66 |

FILE 'CAPLUS' ENTERED AT 06:37:39 ON 26 JUL 2007
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FILE COVERS 1907 - 26 Jul 2007 VOL 147 ISS 5
FILE LAST UPDATED: 25 Jul 2007 (20070725/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l3 full
L4 357 L3

=> s l4 and py<2003
22882984 PY<2003
L5 298 L4 AND PY<2003

=> d ibib abs hitstr 100-110

L5 ANSWER 100 OF 298 CAPLUS COPYRIGHT 2007 ACS on STN
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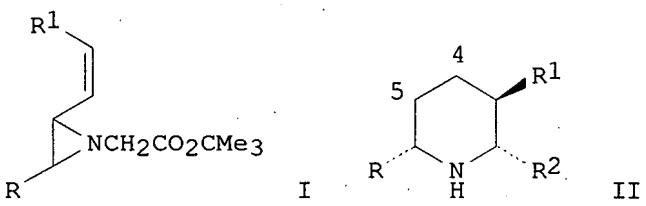
DOCUMENT NUMBER: 123:228598
TITLE: Enantioselective total synthesis of (-)-indolizidines 209B and 209D via a highly efficient aza-[2,3]-Wittig rearrangement of vinylaziridines
AUTHOR(S): Aehman, Jens; Somfai, Peter

CORPORATE SOURCE: Chemical Center Lund Institute Technology, University Lund, Lund, S-221 00, Swed.
SOURCE: Tetrahedron (1995), 51(35), 9747-56
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 123:228598
GI

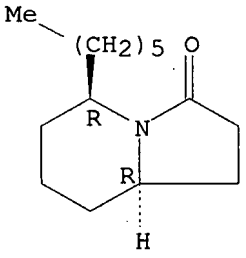



AB A novel protocol for the enantioselective synthesis of (-)-indolizidines 209B and 209D is described in which the key step is the highly efficient aza-[2,3]-Wittig rearrangement of vinylaziridines I (R = hexyl, R1 = H, R = pentyl, R1 = Me) into tetrahydropyridines II (R2 = CO2CMe3, 4,5-unsatd.). Functional group manipulation and chain elongation then gave esters II [R2 = (CH2)2CO2Et, 4,5-saturated] which were converted to the target alkaloids via the resp. indolizidine lactams.

IT 161404-23-5P 168421-40-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(enantioselective total synthesis of indolizidines 209B and 209D via aza-[2,3]-Wittig rearrangement of vinylaziridines)

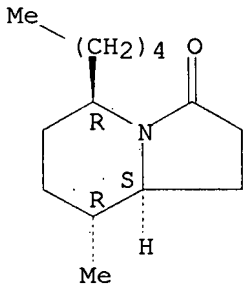
RN 161404-23-5 CAPLUS
CN 3(2H)-Indolizinone, 5-hexylhexahydro-, (5R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

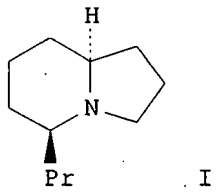



RN 168421-40-7 CAPLUS
CN 3(2H)-Indolizinone, hexahydro-8-methyl-5-pentyl-, [5R-(5α,8β,8aβ)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.




L5 ANSWER 101 OF 298 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:761247 CAPLUS
DOCUMENT NUMBER: 123:228586
TITLE: Asymmetric synthesis of indolizidines 167B and 223AB
AUTHOR(S): Takahata, Hiroki; Bandoh, Hiroshi; Momose, Takefumi
CORPORATE SOURCE: Faculty of Pharmaceutical Sciences, Toyama Medical & Pharmaceutical University, Toyama, 930-01, Japan
SOURCE: Heterocycles (1995), 41(8), 1797-804
CODEN: HTCYAM; ISSN: 0385-5414
PUBLISHER: Japan Institute of Heterocyclic Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 123:228586
GI



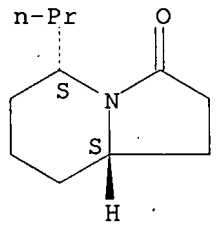

I

AB The total synthesis of (+)-indolizidine 167B (I) and the formal synthesis of (-)-indolizidine 223AB starting with L- and D-norvaline-derived cis-2-hydroxymethyl-6-propylpiperidines, resp., were achieved.

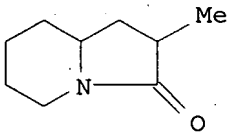
IT 168610-24-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(asym. synthesis of indolizidines 167B and 223AB)

RN 168610-24-0 CAPLUS
CN 3(2H)-Indolizinone, hexahydro-5-propyl-, (5S-trans)- (9CI) (CA INDEX NAME)

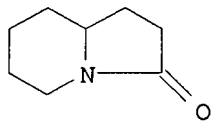
Absolute stereochemistry. Rotation (+).



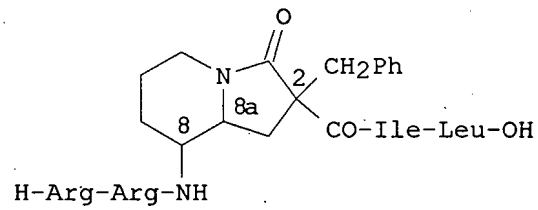
L5 ANSWER 102 OF 298 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:741428 CAPLUS
DOCUMENT NUMBER: 123:227609
TITLE: Photocatalyzed multiple additions of amines to α,β-unsaturated esters and nitriles. [Erratum to document cited in CA120:298026]
AUTHOR(S): Das, Suresh; Kumar, J. S. Dileep; Thomas, K. George; Shivaramayya, K.; George, M. V.
CORPORATE SOURCE: Reg. Res. Lab., CSIR, Trivandrum, 695 019, India
SOURCE: Journal of Organic Chemistry (1995), 60(15), 4958
CODEN: JOCEAH; ISSN: 0022-3263
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The errors were not reflected in the abstract or the index entries.
IT 155068-03-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of (Erratum))
RN 155068-03-4 CAPLUS
CN 3(2H)-Indolizinone, hexahydro-2-methyl- (9CI) (CA INDEX NAME)




L5 ANSWER 103 OF 298 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:722743 CAPLUS
DOCUMENT NUMBER: 123:339545
TITLE: Anthraquinone-photocatalyzed addition of amines to α,β-unsaturated esters: a novel route to indolizidone, pyrrolizidone and related ring systems
AUTHOR(S): Das, Suresh; Kumar, J. S. Dileep; Shivaramayya, K.; George, M. V.
CORPORATE SOURCE: Photochem. Res. Unit, Reg. Res. Lab. (CSIR), Trivandrum, 695 019, India
SOURCE: Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1995), (14), 1797-9
CODEN: JCPRB4; ISSN: 0300-922X
PUBLISHER: Royal Society of Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 123:339545
AB An indolizidone, a pyrrolizidone, a mixture of heliotridone and pseudoheliotridone and a lactam have been synthesized in a one-step anthraquinone-photocatalyzed reaction of piperidine, pyrrolidine, and morpholine with α,β-unsatd. esters.
IT 2740-00-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(anthraquinone-photocatalyzed addition of amines to α,β-unsatd. esters)
RN 2740-00-3 CAPLUS
CN 3(2H)-Indolizinone, hexahydro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



L5 ANSWER 104 OF 298 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:610345 CAPLUS
DOCUMENT NUMBER: 123:228886
TITLE: Constrained C-terminal hexapeptide neurotensin analogs containing a 3-oxoindolizidine skeleton
AUTHOR(S): Garcia-Loper, M. Teresa; Akorta, Ibon; Dominguez, M. Jose; Gonzalez-Muniz, Rosario; Herranz, Rosario; Johansen, Nils L.; Madsen, Kjeld; Thoegersen, Henning; Suzdak, Peter
CORPORATE SOURCE: Instituto Quimica Medica, Madrid, E-28006, Spain
SOURCE: Letters in Peptide Science (1995), 1(6), 269-76
CODEN: LPSCEM; ISSN: 0929-5666
PUBLISHER: ESCOM
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



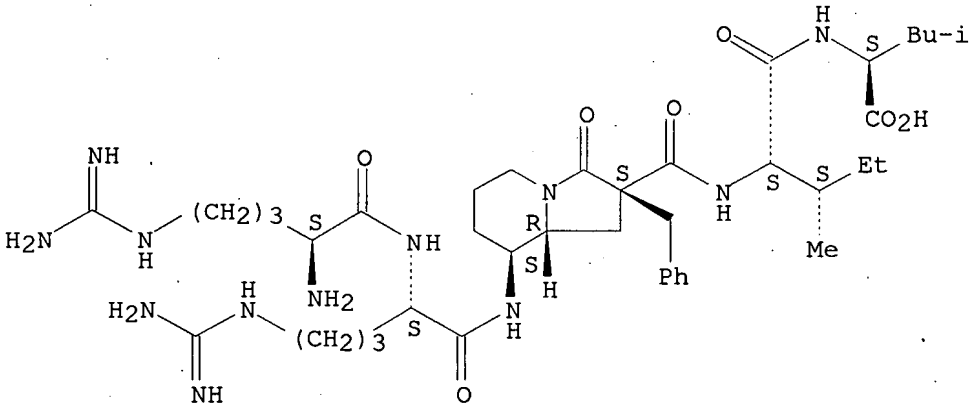

I

AB In order to enforce different spatial orientations in the C-terminal hexapeptide of neurotensin (NT8-13) and to gain information about the importance of the 10-11 peptide bond for binding to NT receptors, the Pro10-Tyr11 fragment has been replaced with (2R,8S,8aR)-, (2S,8S,8aS)-, and (2R,8R,8aS)-8-amino-2-benzyl-3-oxoindolizidine-2-carboxylic acid. Mol. dynamics calcns. and energy minimization studies have shown that, in contrast to the Pro-Tyr moiety, none of these indolizines display a tendency to adopt type I and III β-turns, but those having (8S,8aR) or (8R,8aS) stereochem. essentially adopt extended conformations and the (8S,8aS) stereoisomer prefers a nonstandard folding. The four diastereomeric NT8-13 analogs I incorporating (8S,8aR) or (8R,8aS) indolizidines displayed binding affinities for the brain NT receptor similar to that of [Ala11]-NT8-13 and only five- to ninefold lower than that of the corresponding analog, [Phe11]-NT8-13. Although this light decrease could be attributed to differences in conformation behavior between these constrained NT8-13 analogs and [Phe11]NT8-13 or NT8-13, it is not clear whether the β-turn around Pro10-AA11 (AA = Phe, Tyr) is conserved upon receptor binding. An excessive restriction in the motions of the aromatic side chain, imposed by the highly steric constraint of the indolizidine moiety, emerges as an alternative explanation. The findings reported here demonstrate the possibility of replacing the Pro10-Tyr11 dipeptide in NT8-13 with a nonpeptide residue without affecting considerably the affinity for brain NT receptors.
IT 158668-67-8P 158706-01-5P 158706-02-6P

168608-95-5P 168608-96-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of constrained C-terminal hexapeptide neurotensin analogs containing stereoisomeric oxoindolizidine skeletons)

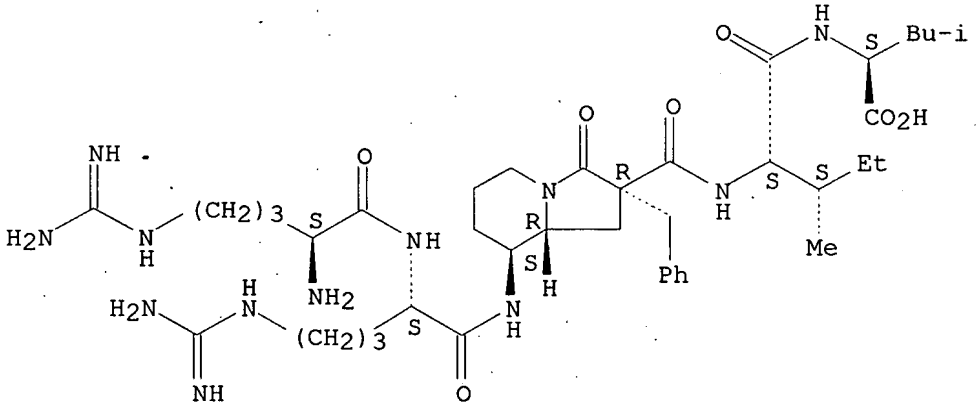
RN 158668-67-8 CAPLUS
CN L-Leucine, N-[N-[[8-[(N2-L-arginyl-L-arginyl)amino]octahydro-3-oxo-2-(phenylmethyl)-2-indolizinyl]carbonyl]-L-isoleucyl]-, [2S-(2α,8β,8aβ)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



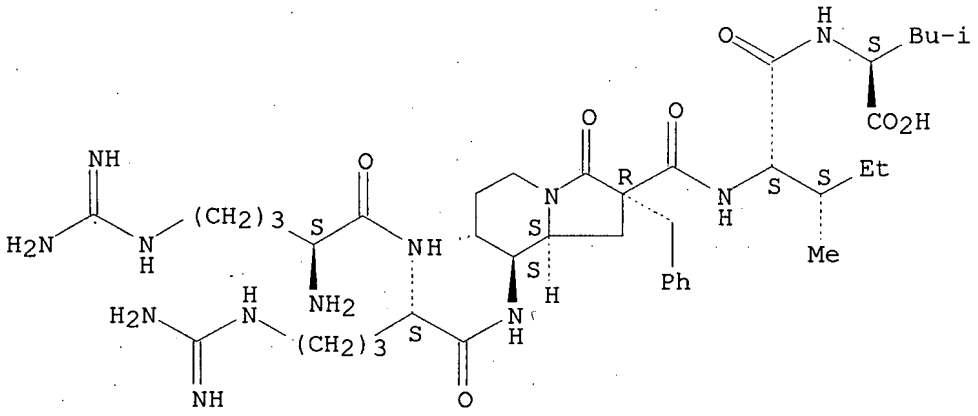
RN 158706-01-5 CAPLUS
CN L-Leucine, N-[N-[[8-[(N2-L-arginyl-L-arginyl)amino]octahydro-3-oxo-2-(phenylmethyl)-2-indolizinyl]carbonyl]-L-isoleucyl]-, [2R-(2α,8α,8aα)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



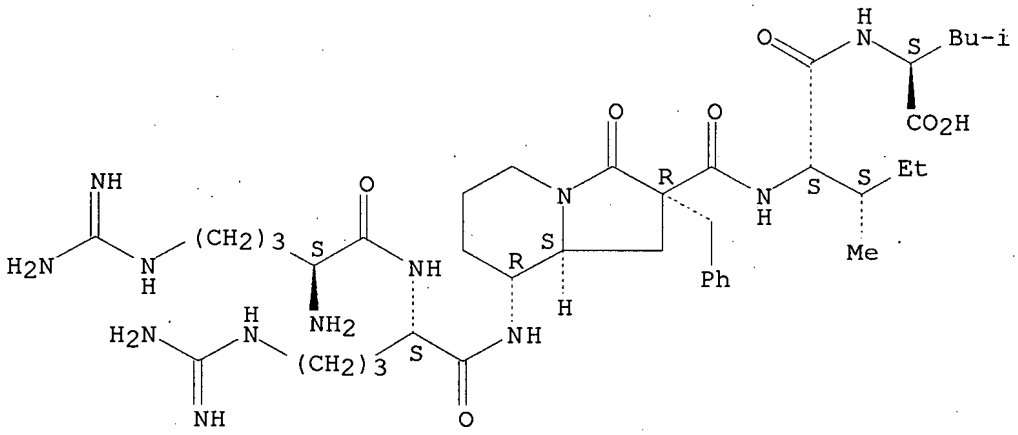
RN 158706-02-6 CAPLUS
CN L-Leucine, N-[N-[[8-[(N2-L-arginyl-L-arginyl)amino]octahydro-3-oxo-2-(phenylmethyl)-2-indolizinyl]carbonyl]-L-isoleucyl]-, [2R-(2α,8α,8aβ)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



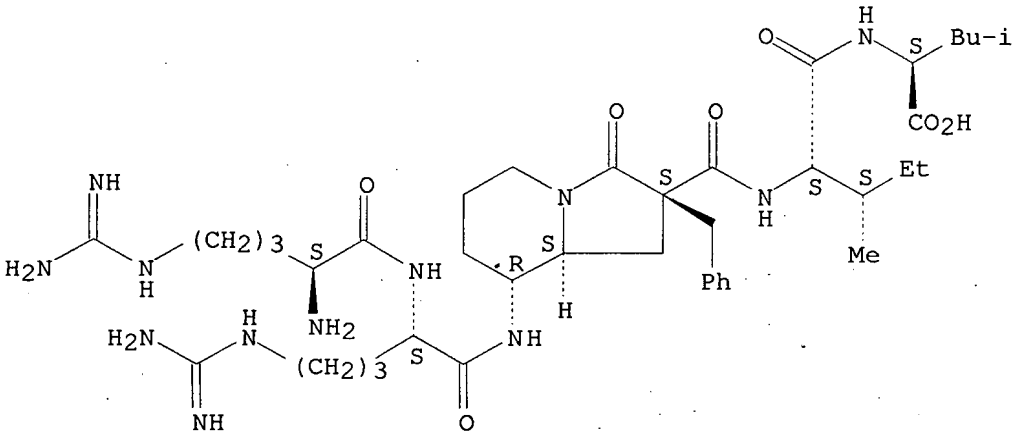
RN 168608-95-5 CAPLUS
CN L-Leucine, N-[N-[[8-[(N2-L-arginyl-L-arginyl)amino]octahydro-3-oxo-2-(phenylmethyl)-2-indolizinyl]carbonyl]-L-isoleucyl]-, [2R-(2α,8β,8aβ)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



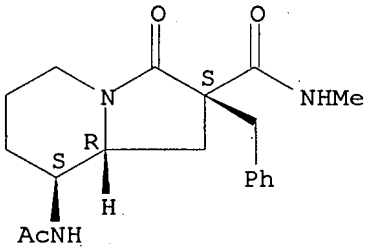
RN 168608-96-6 CAPLUS
CN L-Leucine, N-[N-[[8-[(N2-L-arginyl-L-arginyl)amino]octahydro-3-oxo-2-(phenylmethyl)-2-indolizinyl]carbonyl]-L-isoleucyl]-, [2S-(2α,8α,8aα)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



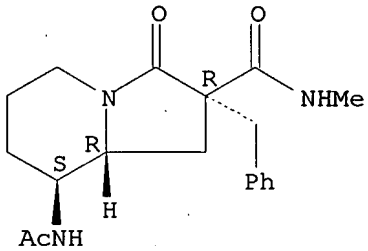
IT 168336-94-5 168608-97-7 168608-98-8
168608-99-9 168609-00-5
RL: PRP (Properties)
(preparation of constrained C-terminal hexapeptide neurotensin analogs containing stereoisomeric oxoindolizidine skeletons)
RN 168336-94-5 CAPLUS
CN 2-Indolizinecarboxamide, 8-(acetylamino)octahydro-N-methyl-3-oxo-2-(phenylmethyl)-, [2S-(2α,8β,8aβ)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



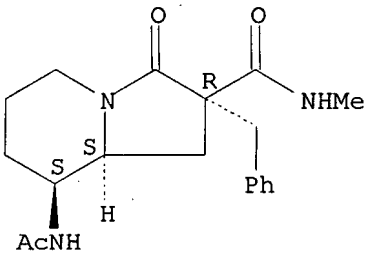
RN 168608-97-7 CAPLUS
CN 2-Indolizinecarboxamide, 8-(acetylamino)octahydro-N-methyl-3-oxo-2-(phenylmethyl)-, [2R-(2α,8α,8aα)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



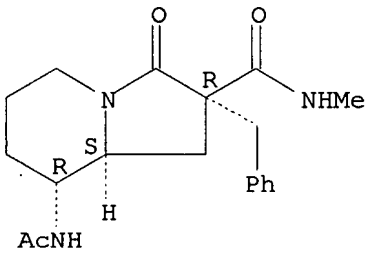
RN 168608-98-8 CAPLUS
CN 2-Indolizinecarboxamide, 8-(acetylamino)octahydro-N-methyl-3-oxo-2-(phenylmethyl)-, [2R-(2α,8α,8aβ)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



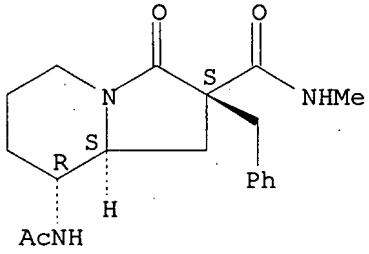

RN 168608-99-9 CAPLUS
CN 2-Indolizinecarboxamide, 8-(acetylamino)octahydro-N-methyl-3-oxo-2-(phenylmethyl)-, [2R-(2α,8β,8aβ)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



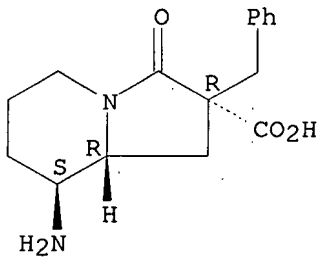

RN 168609-00-5 CAPLUS
CN 2-Indolizinecarboxamide, 8-(acetylamino)octahydro-N-methyl-3-oxo-2-(phenylmethyl)-, [2S-(2α,8α,8aα)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



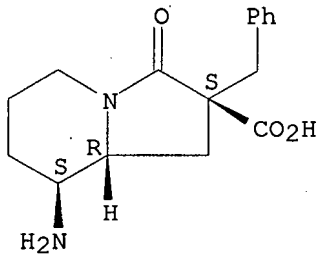

IT 168336-93-4 168608-91-1 168608-92-2
168608-93-3 168608-94-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of constrained C-terminal hexapeptide neurotensin analogs containing stereoisomeric oxoindolizidine skeletons)
RN 168336-93-4 CAPLUS
CN 2-Indolizinecarboxylic acid, 8-aminooctahydro-3-oxo-2-(phenylmethyl)-, [2R-(2α,8β,8aβ)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



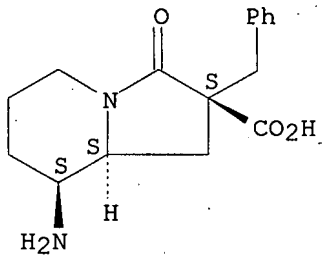
RN 168608-91-1 CAPLUS
CN 2-Indolizinecarboxylic acid, 8-aminooctahydro-3-oxo-2-(phenylmethyl)-, [2S-(2α,8α,8aα)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



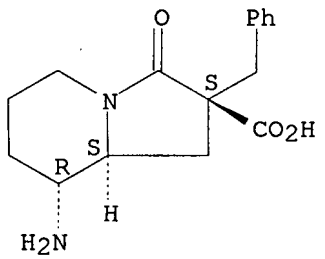
RN 168608-92-2 CAPLUS
CN 2-Indolizinecarboxylic acid, 8-aminooctahydro-3-oxo-2-(phenylmethyl)-, [2S-(2α,8α,8aβ)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



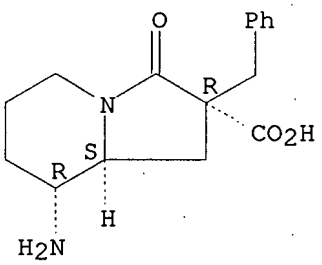
RN 168608-93-3 CAPLUS
CN 2-Indolizinecarboxylic acid, 8-aminooctahydro-3-oxo-2-(phenylmethyl)-, [2S-(2α,8β,8aβ)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

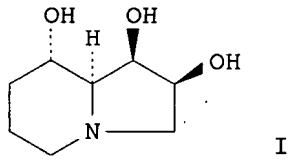


RN 168608-94-4 CAPLUS
CN 2-Indolizinecarboxylic acid, 8-aminooctahydro-3-oxo-2-(phenylmethyl)-, [2R-(2α,8α,8aα)]- (9CI) (CA INDEX NAME)

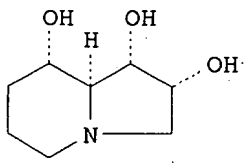
Absolute stereochemistry.



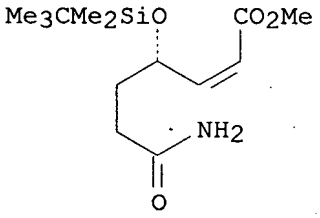

L5 ANSWER 105 OF 298 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:593950 CAPLUS
DOCUMENT NUMBER: 123:56338
TITLE: Stereoselective synthesis of (+)-swainsonine and (-)-8,8a-di-epi-swainsonine
AUTHOR(S): Oishi, Tohru; Iwakuma, Toshihiro; Hirama, Masahiro; Ito, Sho
CORPORATE SOURCE: Dep. Chemistry, Tohoku Univ., Sendai, 980-77, Japan
SOURCE: Synlett (1995), (5), 404-6
CODEN: SYNLES; ISSN: 0936-5214
PUBLISHER: Thieme
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 123:56338
GI



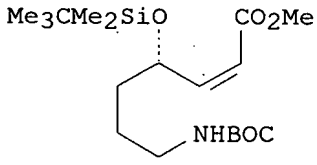

I




II



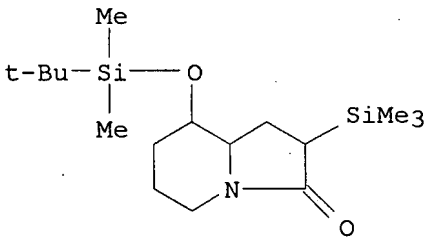

III




IV

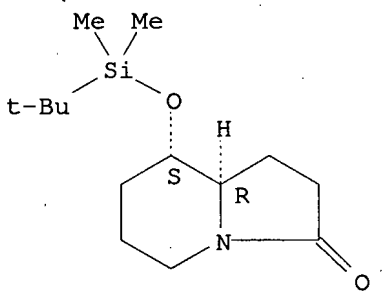
AB (+)-Swainsonine (I) and (-)-8,8a-di-epi-swainsonine (II) were stereoselectively synthesized from L-glutamic acid via a highly diastereoselective intramol. conjugate addition of amide III and carbamate IV, resp. Another key step is a stereoselective osmium-catalyzed dihydroxylation of indolizidine double bond.
IT 164739-28-0P 164739-29-1P 164739-30-4P
164739-32-6P 164907-55-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(stereoselective synthesis of (+)-swainsonine and (-)-epi-swainsonine)
RN 164739-28-0 CAPLUS

CN 3(2H)-Indolizinone, 8-[[(1,1-dimethylethyl)dimethylsilyl]oxy]hexahydro-2-(trimethylsilyl)- (9CI) (CA INDEX NAME)

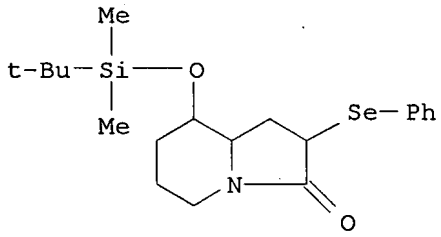



RN 164739-29-1 CAPLUS
CN 3(2H)-Indolizinone, 8-[[(1,1-dimethylethyl)dimethylsilyl]oxy]hexahydro-, (8S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

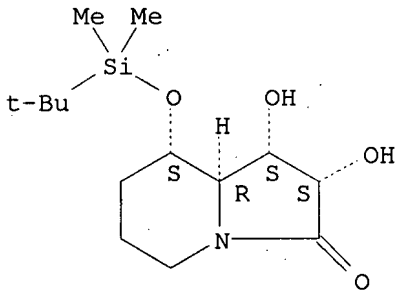



RN 164739-30-4 CAPLUS
CN 3(2H)-Indolizinone, 8-[[(1,1-dimethylethyl)dimethylsilyl]oxy]hexahydro-2-(phenylseleno)- (9CI) (CA INDEX NAME)



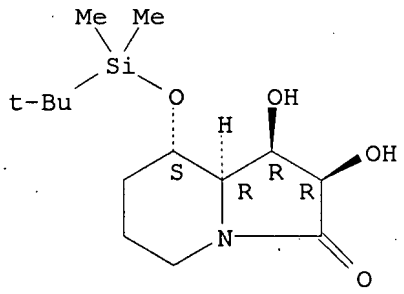

RN 164739-32-6 CAPLUS
CN 3(2H)-Indolizinone, 8-[[(1,1-dimethylethyl)dimethylsilyl]oxy]hexahydro-1,2-dihydroxy-, [1S-(1α,2α,8α,8aα)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

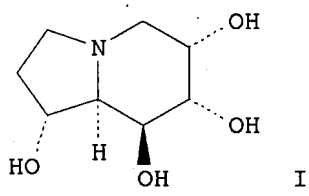


RN 164907-55-5 CAPLUS
CN 3(2H)-Indolizinone, 8-[[(1,1-dimethylethyl)dimethylsilyl]oxy]hexahydro-1,2-dihydroxy-, [1R-(1α,2α,8β,8aβ)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 106 OF 298 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:510604 CAPLUS
DOCUMENT NUMBER: 123:33469
TITLE: Stereocontrolled syntheses of polyhydroxy indolizidines, including 8a-epi-, 6,8a-diepi- and 1,6-diepi-castanospermine, starting from malic acid
AUTHOR(S): Leeper, Finian J.; Howard, Steven
CORPORATE SOURCE: University Chemical Laboratory, Cambridge, CB2 1EW, UK
SOURCE: Tetrahedron Letters (1995), 36(13), 2335-8
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 123:33469
GI



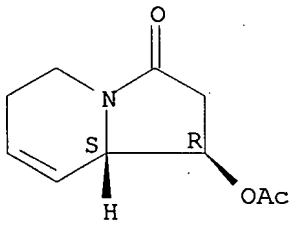
I

AB Stereocontrolled total syntheses of one trihydroxyindolizidine and three tetrahydroxyindolizidines, e.g. I, all diastereoisomers of castanospermine, are described which use malic acid as the only chiral starting material.

IT 163811-96-9P 163811-97-0P 163812-01-9P
163812-02-0P 163812-03-1P 163812-07-5P
163812-08-6P 163812-10-0P 163812-12-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(stereocontrolled syntheses of polyhydroxy indolizidines, including epi- and diepicastanospermine starting from malic acid)

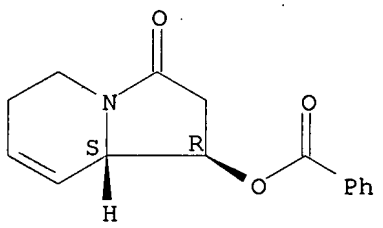
RN 163811-96-9 CAPLUS
CN 3(2H)-Indolizinone, 1-(acetyloxy)-1,5,6,8a-tetrahydro-, (1R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



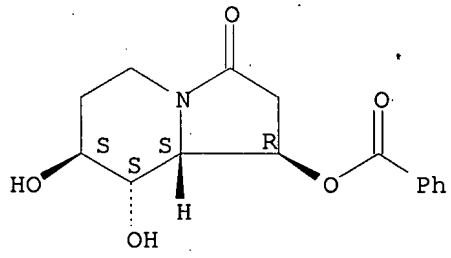

RN 163811-97-0 CAPLUS
CN 3(2H)-Indolizinone, 1-(benzoyloxy)-1,5,6,8a-tetrahydro-, (1R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



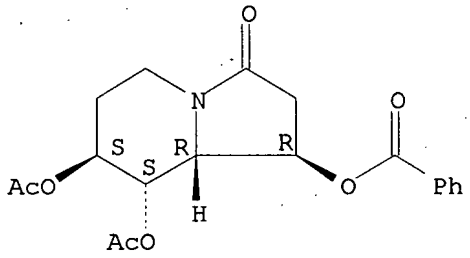

RN 163812-01-9 CAPLUS
CN 3(2H)-Indolizinone, 1-(benzoyloxy)hexahydro-7,8-dihydroxy-, [1R-(1α,7α,8β,8aα)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



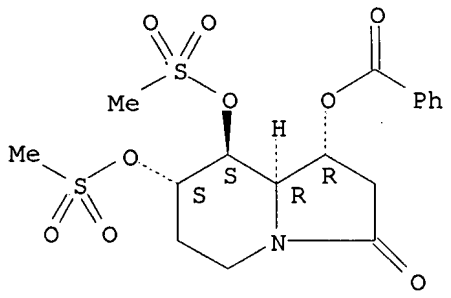

RN 163812-02-0 CAPLUS
CN 3(2H)-Indolizinone, 7,8-bis(acetyloxy)-1-(benzoyloxy)hexahydro-, [1R-(1α,7α,8β,8aα)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



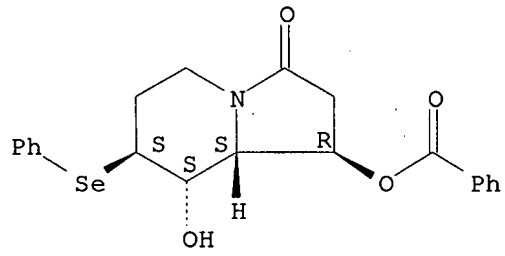
RN 163812-03-1 CAPLUS
CN 3(2H)-Indolizinone, 1-(benzoyloxy)hexahydro-7,8-bis[(methylsulfonyl)oxy]-, [1R-(1α,7α,8β,8aα)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



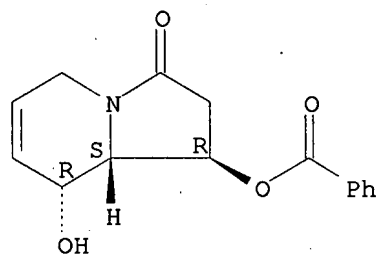
RN 163812-07-5 CAPLUS
CN 3(2H)-Indolizinone, 1-(benzoyloxy)hexahydro-8-hydroxy-7-(phenylseleno)-, [1R-(1α,7α,8β,8aα)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



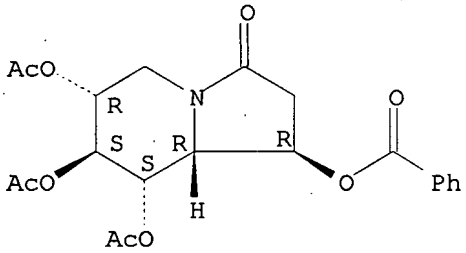
RN 163812-08-6 CAPLUS
CN 3(2H)-Indolizinone, 1-(benzoyloxy)-1,5,8,8a-tetrahydro-8-hydroxy-, [1R-(1α,8β,8aα)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



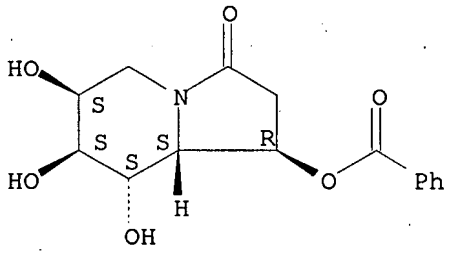
RN 163812-10-0 CAPLUS
CN 3(2H)-Indolizinone, 6,7,8-tris(acetyloxy)-1-(benzoyloxy)hexahydro-, [1R-(1α,6β,7α,8β,8aα)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



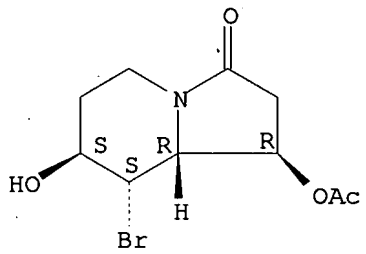

RN 163812-12-2 CAPLUS
CN 3(2H)-Indolizinone, 1-(benzoyloxy)hexahydro-6,7,8-trihydroxy-, [1R-(1α,6α,7α,8β,8aα)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.




IT 163811-98-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(stereocontrolled syntheses of polyhydroxy indolizidines, including epi- and diepicastanospermine starting from malic acid)
RN 163811-98-1 CAPLUS
CN 3(2H)-Indolizinone, 1-(acetyloxy)-8-bromohexahydro-7-hydroxy-, [1R-(1α,7α,8β,8aα)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



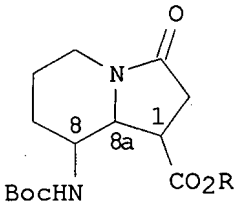

L5 ANSWER 107 OF 298 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:425364 CAPLUS
DOCUMENT NUMBER: 123:56541
TITLE: Synthesis of 8-amino-3-oxoindolizidine-1-carboxylic acid derivatives as conformationally restricted

templates for use in design of peptide mimetics

AUTHOR(S): Gomez Monterrey, Isabel Maria; Gonzalez-Muniz, Rosario; Herranz, Rosario; Garcia-Lopez, Maria Teresa
CORPORATE SOURCE: Instituto Quimica Medica, C.S.I.C., Madrid, 28006, Spain

SOURCE: Tetrahedron (1995), 51(9), 2729-36
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 123:56541

GI




I

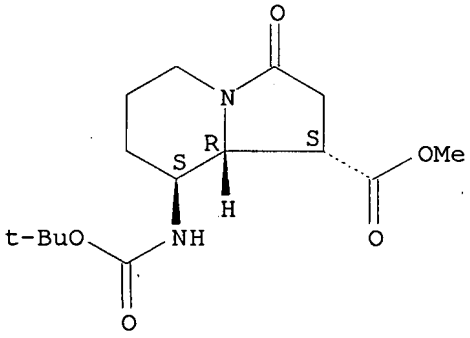
AB The synthesis of new 8-amino-3-oxoindolizidine-1-carboxylic acid esters I (Boc = Me3CO2C; R = Me, Et) with different stereochem. at positions 1, 8, and 8a is described. Three different paths from ornithine derivs. have been utilized. Compds. I can be employed as new templates in synthetic analogs of bioactive peptides.

IT 164223-14-7P 164223-15-8P 164323-61-9P
164323-62-0P 164323-63-1P 164323-64-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of amino(oxo)indolizidinecarboxylates as conformationally restricted dipeptide templates)

RN 164223-14-7 CAPLUS

CN 1-Indolizinecarboxylic acid, 8-[[(1,1-dimethylethoxy)carbonyl]amino]octahydro-3-oxo-, methyl ester, [1S-(1α,8β,8aβ)]- (9CI) (CA INDEX NAME)

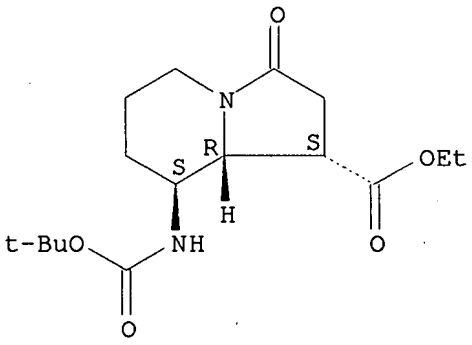
Absolute stereochemistry.




RN 164223-15-8 CAPLUS

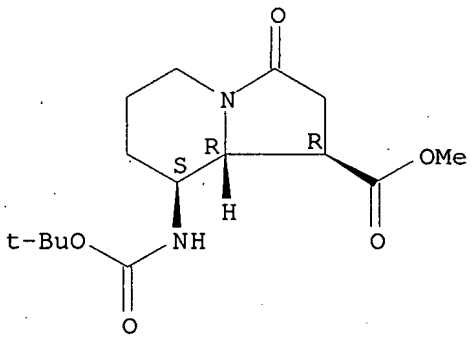
CN 1-Indolizinecarboxylic acid, 8-[[(1,1-dimethylethoxy)carbonyl]amino]octahydro-3-oxo-, ethyl ester, [1S-(1α,8β,8aβ)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



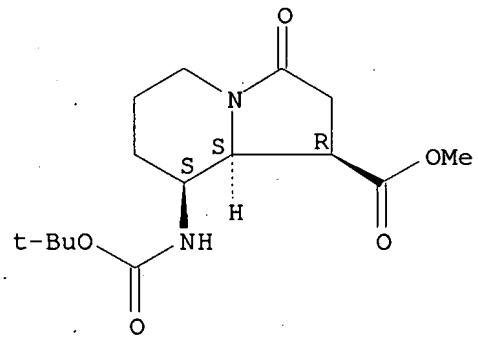
RN 164323-61-9 CAPLUS
CN 1-Indolizinecarboxylic acid, 8-[[(1,1-dimethylethoxy)carbonyl]amino]octahydro-3-oxo-, methyl ester, [1R-(1α,8α,8aα)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



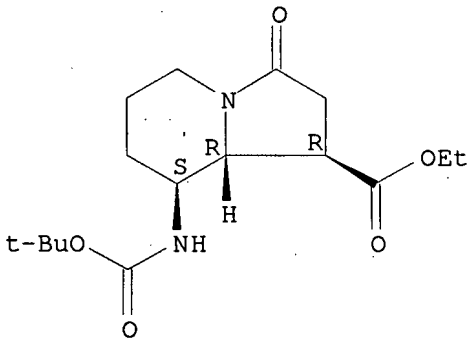
RN 164323-62-0 CAPLUS
CN 1-Indolizinecarboxylic acid, 8-[[(1,1-dimethylethoxy)carbonyl]amino]octahydro-3-oxo-, methyl ester, [1R-(1α,8α,8aβ)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



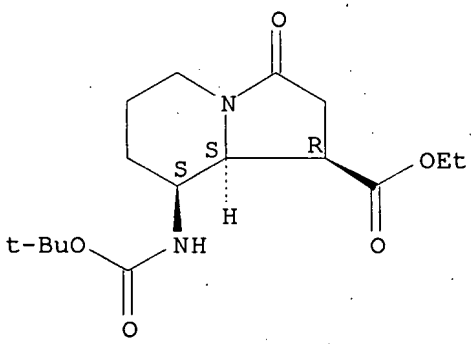
RN 164323-63-1 CAPLUS
CN 1-Indolizinecarboxylic acid, 8-[[(1,1-dimethylethoxy)carbonyl]amino]octahydro-3-oxo-, ethyl ester, [1R-(1α,8α,8aα)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 164323-64-2 CAPLUS
CN 1-Indolizinecarboxylic acid, 8-[[(1,1-dimethylethoxy)carbonyl]amino]octahydro-3-oxo-, ethyl ester, [1R-(1α,8α,8aβ)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

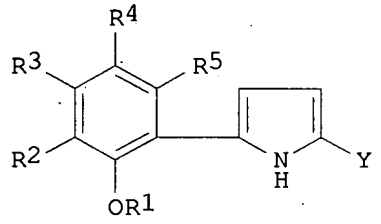


L5 ANSWER 108 OF 298 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:401217 CAPLUS
DOCUMENT NUMBER: 122:187625
TITLE: [(alkoxyphenyl)pyrrolyl]indolizines and [(alkoxyphenyl)pyrrolyl]quinolizines as antipsychotic agents
INVENTOR(S): Hadley, Michael Stewart; Johnson, Christopher Norbert; Stemp, Geoffrey
PATENT ASSIGNEE(S): Smithkline Beecham PLC, UK
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

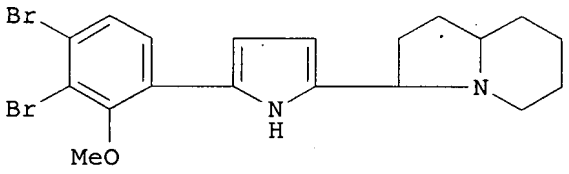
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| WO 9424129 | A1 | 19941027 | WO 1994-EP992 | 19940329 <-- |
| W: JP, US | | | | |
| RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| EP 693068 | A1 | 19960124 | EP 1994-912552 | 19940329 <-- |
| EP 693068 | B1 | 19980729 | | |
| R: BE, CH, DE, FR, GB, IT, LI, NL | | | | |
| JP 08508509 | T | 19960910 | JP 1994-522678 | 19940329 <-- |
| US 5688790 | A | 19971118 | US 1995-532548 | 19950928 <-- |

PRIORITY APPLN. INFO.: GB 1993-7400 A 19930408
WO 1994-EP992 W 19940329

OTHER SOURCE(S): MARPAT 122:187625
GI



I



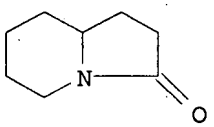
II

AB The title compds., 3-[2-(2-alkoxyphenyl)-1H-pyrrol-5-yl]indolzines and 4-[2-(2-alkoxyphenyl)-1H-pyrrol-5-yl]quinolizines I (R1 = alkyl; R2-R5 = H, alkyl, alkoxy, etc.; Y = 1-azabicyclo[4.3.0]nonyl, 1-azabicyclo[4.4.0]decyl, etc.) were disclosed as antipsychotic agents.an. Example compound, 3-[2-(3,5-dibromo-2-methoxyphenyl)-1H-pyrrol-5-yl]quinolizine (II) was prepared (mixts. of diastereomers).

IT 2740-00-3, 3(2H)-Indolizinone, hexahydro-, (±)-
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of antipsychotics [(alkoxyphenyl)pyrrolyl]indolzines)

RN 2740-00-3 CAPLUS

CN 3(2H)-Indolizinone, hexahydro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)




L5 ANSWER 109 OF 298 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:333384 CAPLUS

DOCUMENT NUMBER: 122:187834

TITLE: Aza-[2,3]-Wittig rearrangements of vinylaziridines as a novel entry to indolizidine alkaloids. Enantioselective total synthesis of indolizidine 209D

AUTHOR(S): Ahman, Jens; Somfai, Peter

CORPORATE SOURCE: Univ. Lund, Chem. Cent. Lund Inst. Technol., Lund, S-221 00, Swed.

SOURCE: Tetrahedron Letters (1995), 36(2), 303-6
CODEN: TELEAY; ISSN: 0040-4039

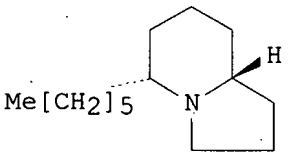
PUBLISHER: Elsevier

DOCUMENT TYPE: Journal

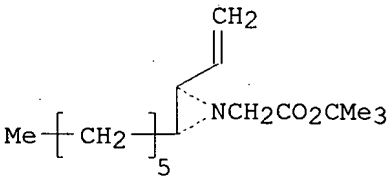
LANGUAGE: English

OTHER SOURCE(S): CASREACT 122:187834

GI



I



II

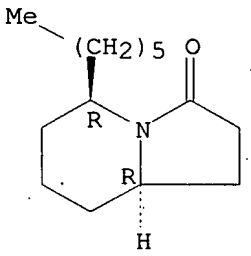
AB An enantioselective total synthesis of indolizidine 209D (I) from 2,3-epoxy-1-hexanol is described. The key step in the sequence involves an aza-[2,3]-Wittig rearrangement of vinylaziridine II to yield tert-Bu cis-6-hexyl-1,2,3,6-tetrahydropyridine-2-carboxylate in 98% yield and as a single detectable diastereomer.

IT 161404-23-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(aza-[2,3]-Wittig rearrangement of vinylaziridine in total synthesis of indolizidine 209D)

RN 161404-23-5 CAPLUS

CN 3(2H)-Indolizinone, 5-hexylhexahydro-, (5R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 110 OF 298 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:237440 CAPLUS

DOCUMENT NUMBER: 122:133484

TITLE: Stereoselective synthesis of (+)- and (-)-lentiginosine

AUTHOR(S): Gurjar, M. K.; Ghosh, Lakshmi; Syamala, M.; Jayasree, V.

CORPORATE SOURCE: Indian Institute of Chemical Technology, Hyderabad, 500 007, India

SOURCE: Tetrahedron Letters (1994), 35(47), 8871-2
CODEN: TELEAY; ISSN: 0040-4039

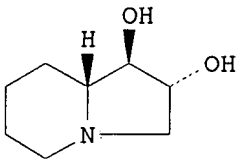
PUBLISHER: Elsevier

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 122:133484

GI




I

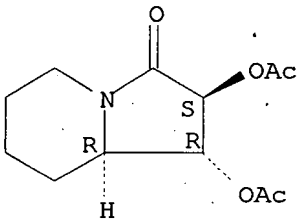
AB Simple routes to (1R,2R,8aR)- (I) and (1S,2S,8aS)-lentiginosine have been described, based on Sharpless asym. dihydroxylation, starting from (R)- and (S)-pipecolinic acids.

IT 160096-52-6P 160169-49-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(stereoselective synthesis of and lentiginosine)

RN 160096-52-6 CAPLUS

CN 3(2H)-Indolizinone, 1,2-bis(acetyloxy)hexahydro-, [1R-(1α,2β,8aα)]- (9CI) (CA INDEX NAME)

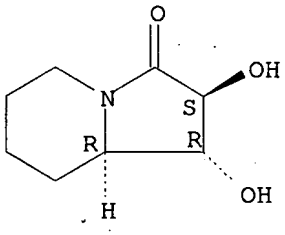
Absolute stereochemistry.




RN 160169-49-3 CAPLUS

CN 3(2H)-Indolizinone, hexahydro-1,2-dihydroxy-, (1R,2S,8aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.




=> FIL STNGUIDE

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 61.39 | 238.05 |

| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| CA SUBSCRIBER PRICE | -8.58 | -8.58 |

FILE 'STNGUIDE' ENTERED AT 06:39:37 ON 26 JUL 2007

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jul 20, 2007 (20070720/UP).

=> d his

     (FILE 'HOME' ENTERED AT 06:36:36 ON 26 JUL 2007)

     FILE 'REGISTRY' ENTERED AT 06:36:44 ON 26 JUL 2007
L1                STRUCTURE UPLOADED
L2             44 S L1
L3            962 S L1 FULL

     FILE 'CAPLUS' ENTERED AT 06:37:39 ON 26 JUL 2007
L4            357 S L3 FULL
L5            298 S L4 AND PY<2003

     FILE 'STNGUIDE' ENTERED AT 06:39:37 ON 26 JUL 2007

=> log y
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.18     238.23

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -8.58

STN INTERNATIONAL LOGOFF AT 06:41:09 ON 26 JUL 2007
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